

5/1 C 1. (TWICE AMENDED) A pipe coupling for interconnecting adjacent ends of first and second pipe sections, the end of the first pipe section having an annular corrugation, said coupling comprising:

a generally cylindrical sleeve having first and second sides;

B1 at least one rigid annular corrugation on said first side of said sleeve being oriented perpendicular to a longitudinal axis of said sleeve and adapted to cooperatively engage the annular corrugation on the first pipe section end to secure said sleeve on the first pipe section; and

a bell on said second side of said sleeve having an inner wall of generally constant diameter and being adapted to slidably receive in an axial direction the second pipe section end within said sleeve;

whereby said coupling is adapted to interconnect said adjacent ends of said first and second pipe sections.

3. (CANCELED) Please cancel claim 3 without prejudice or disclaimer.

4. (CANCELED) Please cancel claim 4 without prejudice or disclaimer.

5. (CANCELED) Please cancel claim 5 without prejudice or disclaimer.

8. (TWICE AMENDED) In combination, a pipe coupling and first and second pipe sections, the end of the first pipe section having an annular corrugation, and said coupling comprising:

a generally cylindrical sleeve having first and second sides;

at least one rigid annular corrugation on said first side of said sleeve being oriented perpendicular to a longitudinal axis of said sleeve and adapted to cooperatively engage the annular corrugation on the first pipe section end to secure said sleeve on the first pipe section; and

a bell on said second side of said sleeve having an inner wall of generally constant diameter and being adapted to slidably receive in an axial direction the second pipe section end within said sleeve;

whereby said coupling interconnects said adjacent ends of said first and second pipe sections.

15. (CANCELED) Please cancel claim 15 without prejudice or disclaimer.

16. (CANCELED) Please cancel claim 16 without prejudice or disclaimer.

17. (CANCELED) Please cancel claim 17 without prejudice or disclaimer.

CB 21. (TWICE AMENDED) A method of interconnecting adjacent ends of first and second pipe sections, the end of the first pipe section having an annular

corrugation, the method comprising the steps of:

providing a substantially flat sheet;

forming a rigid corrugation across the width of said substantially flat sheet;

B3 wrapping said sheet into a cylindrical sleeve including a first side having said rigid corrugation oriented perpendicular to a longitudinal axis of said sleeve and a second side having a bell with an inner wall of generally constant diameter;

securing said sleeve about the first pipe section end by cooperatively engaging said rigid corrugation of said sleeve with the annular corrugation of the first pipe section end; and

slidably receiving in an axial direction the second pipe section end within said bell to interconnect the adjacent ends of the first and second pipe sections.

22. (CANCELED) Please cancel claim 22 without prejudice or disclaimer.

23. (AMENDED) The method of claim 21 wherein said sheet is wrapped into said cylindrical sleeve and said first side of said sleeve is secured to said first section of pipe at a first location.

25. (NEW) A pipe coupling for interconnecting adjacent ends of first and second pipe sections, the end of the first pipe section having an annular corrugation, said coupling comprising:

a generally cylindrical sleeve having first and second sides;

at least one rigid annular corrugation on said first side of said sleeve being oriented perpendicular to a longitudinal axis of said sleeve and adapted to cooperatively engage the annular corrugation on the first pipe section end to secure said sleeve on the first pipe section;

a bell on said second side of said sleeve being adapted to slidably receive in an axial direction the second pipe section end within said sleeve;

a gasket adapted to be disposed circumferentially about said second pipe section, said gasket adapted to contact and confront an inner surface of said bell when said second pipe section is slidably received by said bell; and

a radially inwardly directed annular projection disposed about the inner diameter of said bell, said annular projection adapted to engage said gasket and retain said second pipe section end within said bell;

whereby said coupling is adapted to interconnect said adjacent ends of said first and second pipe sections.

26. (NEW) The coupling of claim 25 wherein said sleeve is formed from a substantially flat sheet having at least one corrugation disposed across its width.

27. (NEW) The coupling of claim 25 wherein said radially inwardly directed annular projection includes a gentle entry side angle on one side of said annular projection.

28. (NEW) The coupling of claim 27 wherein said radially inwardly directed annular projection includes a steep back angle on an opposite side of said annular projection.

29. (NEW) The coupling of claim 25 wherein said bell includes a circumferential outwardly extending flange disposed about an outer edge of said bell.

30. (NEW) The coupling of claim 25 wherein the inner diameter of said bell is greater than the outer diameter of said second pipe section.

31. (NEW) In combination, a pipe coupling and first and second pipe sections, the end of the first pipe section having an annular corrugation, and said coupling comprising:

a generally cylindrical sleeve having first and second sides;

at least one rigid annular corrugation on said first side of said sleeve being oriented perpendicular to a longitudinal axis of said sleeve and adapted to cooperatively engage the annular corrugation on the first pipe section end to secure said sleeve on the first pipe section;

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a bell on said second side of said sleeve being adapted to slidably receive in an axial direction the second pipe section end within said sleeve;

a first gasket disposed circumferentially about said second pipe section, said gasket contacting and confronting an inner surface of said bell when said second pipe section is slidably received by said bell; and

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a radially inwardly directed annular projection disposed about the inner diameter of said bell, said annular projection engaging said first gasket and retaining said second pipe section end within said bell;

whereby said coupling interconnects said adjacent ends of said first and second pipe sections.

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32. (NEW) The combination of claim 31 wherein said sleeve is formed from a substantially flat sheet having at least one corrugation disposed across its width.

33. (NEW) The combination of claim 31 wherein said first gasket is a fluted gasket disposed circumferentially about an annular corrugation of said second pipe section.

34. (NEW) The combination of claim 33 further comprising a second gasket.

35. (NEW) The combination of claim 34, wherein said second gasket is an O-ring disposed circumferentially about an annular corrugation of said first pipe section,

and wherein said O-ring contacts and confronts the inner surface of said first side of said sleeve when said first side cooperatively engages said first pipe section.

36. (NEW) The combination of claim 34, wherein said second gasket is a flat gasket disposed circumferentially about an annular corrugation of said first pipe section, and wherein said flat gasket contacts and confronts the inner surface of said first side of said sleeve when said first side cooperatively engages said first pipe section.

37. (NEW) The combination of claim 31 wherein said radially inwardly directed annular projection includes a gentle entry side angle on one side of said annular projection.

38. (NEW) The combination of claim 37 wherein said radially inwardly directed annular projection includes a steep back angle on an opposite side of said annular projection.

39. (NEW) The combination of claim 31 wherein said bell includes a circumferential outwardly extending flange disposed about an outer edge of said bell.

40. (NEW) The combination of claim 31 wherein the inner diameter of said bell is greater than the outer diameter of said second pipe section.

41. (NEW) The combination of claim 31 further comprising a sealant disposed on said first side of said sleeve, for adhering said first side of said sleeve to said first pipe section.
